

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001228**Date Inspected:** 08-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Counterweights, Floor Beam Diaphragms, OB**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Reviewed Section 8.4 of Standard Specifications and AISC SPE (American Institute of Steel Construction Sophisticated Paint Endorsement). Also attended to project documentation and organizing.

OBG 4BE

Area of the Cross Beam attachment and adjacent damaged areas were abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 applied in the trial assembly area outside approved paint facility. Profile amplitude was observed 76-85um approximately 1.5 square meters of surface area. Incident report drafted for this work.

Bikeway Brackets

Interfine 979 "mist" coat was applied to external repair areas on the following unit code numbers: BK001-001, BK001-004, BK001-005, BK001-007, BK001-009, BK001-011, BK001-014.

Floor Beam Diaphragms

Base metal surfaces were de-greased on ten (10) floor beam sub assemblies in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Counterweights

ZPMC requested an interim final inspection on internal and external surfaces of counterweights coded: CW22, CW24, CW26, CW28 minor repairs and touch up was noted and displayed to ZPMC QC for amendment.

SOURCE INSPECTION REPORT

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OBG 2AE/2BE

Weld seam mud crack areas were abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 applied. Approximately 1 square meter of surface area was repaired. Incident report was generated for applying coating outside approved paint facility.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley. International Protective Coatings technical service representative was available for inspection and consultation.

Summary of Conversations:

Caltrans QA Lumley informed ABF QA Duon Wei Fan coatings applied outside the approved shop facility in conflict with State Letter 05.03.01-004556 Dated July 6,2009, and incident would follow resultant from such activities.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James
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Quality Assurance Inspector

Reviewed By:	Carreon,Albert
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QA Reviewer
